

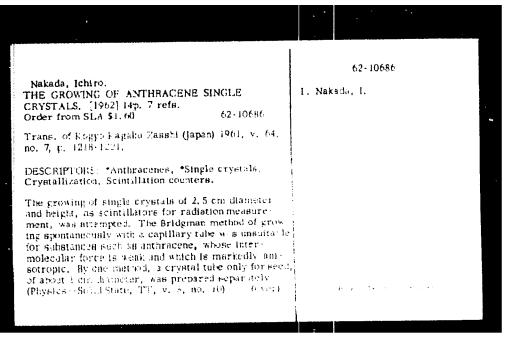
Kodama, Hiroshi and Atarashi, Yunji. POLYMBRICATION OF FROFYLENE IN THE PRESENCE OF ETHERS AND AMINES WITH TRIETIIYI. ALUMINUM: TITANIUM TRICHLORIDE. [1901] 13p. 18 refs. Order from SA \$16.00 SA Code: 43	C2-12406 I Eodoma, H II Internabil Y III 5 A Code-45 IV Seizaburo Aost Capaco
Trans. of <u>Korno Kapaku Zasshi</u> (Japan) 1961. v. 64, no. 6, p. 1140-1145. DESCRIPTORS: *Propenes, Polymerization, Ethers,	
Amines, Aluminum compounds, Ethyl radicals, Ti- tanium compounds, Chlorides, Catalysts, Catalysis, Chemical reactions, Polymers, Molecular weight	
Polymerization of propylene was carried out in n-heptane, in the presence of ether or amine with the aid of a catalyst of the trieflylaluminum-titanium trichloride system. The effects of the addition agents upon the (Chemistry-Physical, TT, v. 7, no. 5). (over)	Office on Technical Services

Studies of Addition Reaction of Ethylene Oxide. Part VII. By-Products in Addition Reaction of Ethylene Oxide, by K. Nagase.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, 1961, pp 1199-1203.

NTC-71-15514-07C

Feb 72



Hydrolysis of Titanium Sulfate Solution, by N. Sakai, K. Yoshikawa, M. Suzuki, S. Kobashi.

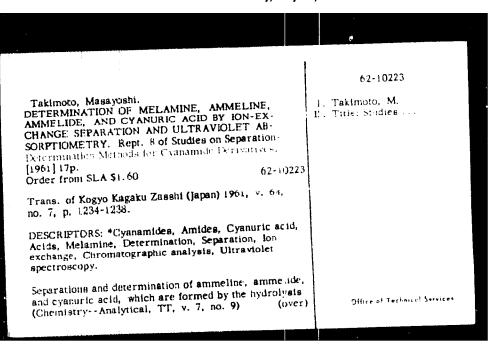
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, No 4, 1961, pp. 613-18

NTC 69-10683-078

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Oda, Ryohei and Hayashi, Yoshiyuki. SYNTHESES OF SOME HETEROCYCLIC COMPOUNDS WITH LONG ALKYL SIDE-CHAINS AND THEIR AP- PLICATIONS AS WATER-REPELLING AGENTS FOR TEXTILES. [1962] 15p. 7 refs. Order from SLA \$1,60 62-14966 Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64, no. 7, p. 1230-1253.	62-149co 1. (8m, R. H. Hayashi, Y.
DESCRIPTORS: *Textiles, *Moistureproofing, *Heterocyclic compounds, Synthesis, Alkyl radicals, Molecular structure.	:
(MaterialsTextiles, TT, v. 9, no. 5)	Office of Technical Services



63-12094 Fukumoto, Osamu.
ON THE KINETICS OF BECKMANN'S REARRANGE-1. Title: Beckmann's MENT. Rept. 4 of Studies on the Production of rearrangement É-Caprolactam. Oct 62, 12p. 5 refs. Order from SA \$19.00 1. Pukumoto, O. SA Code-G511 II. Title: Studies... III. SA Code-G511 Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64, no. 7, p. 1285-1289. IV. Setzaburo Aoki (Japan) DESCRIPTORS: *Lactams, Production, Sulfuric acid, Cyclohexanones, Oximes, Ionization, Dehydration, *Reaction kinetics. (Chemistry--Physical, TT, v. 9, no. 1) Office of Tentained Services

The Thermal Expansion and Vitrification of Epoxy
Resins Hardened With Acid Anhydrides, by Akio Shimazaki,
11 pp.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXIV,
196, pp 1291-1294. 9226572
AEC-SC-T-64-2009

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Jan 65
2791,829

Sulfochlorination of Polypropylene, by
T. Obshika.
JAPANESE, per, Kogyo Kagaku Zasahi, Vol 64,
No 7, 1961, pp 1299-1302.
AT8-J8-192

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Mar 70

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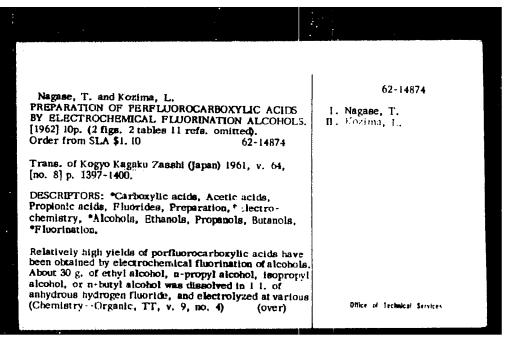
School Hirogon and Sasto, Yoshitami. POLANCE EMANION OF M-BUTYLMINYL FITHER WITH THE dis OF MIEGLER CATALYST. Oct 62, 5p. 5 reds. Cross from SA SISLOC SA Code-C52- Thera, of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.117722-13722 Thera, of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.117722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.117722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.117722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.117722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.117722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 Thera of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Kapaka Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v. 64, pp. 10.11722-13722 There of Serve Hasshi (Japan) 1961, v.	62-34464 1. Title: Ziegler catalysts 1. Soboe, 11. II. Satto, N. III. 1-A Code G524 IV organization of approximately
Charlete engent, FVI also no. 121	Office of Teras of Sements

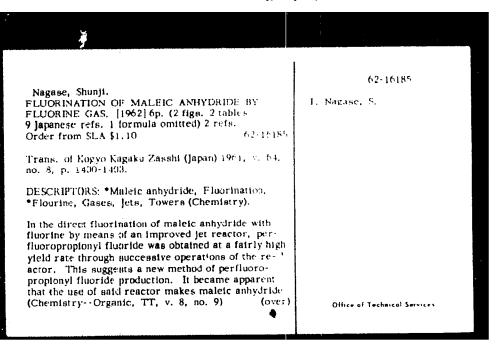
A Study on the Reducing Reaction of Titanium. Tetrachloride to Titanium Trichloride, by T. Ishino.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, 1961, pp 1344-1347.

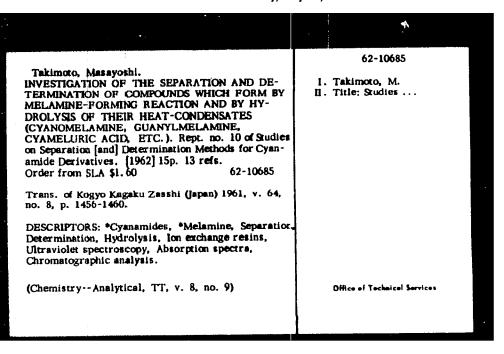
NTC-71-15651-07B

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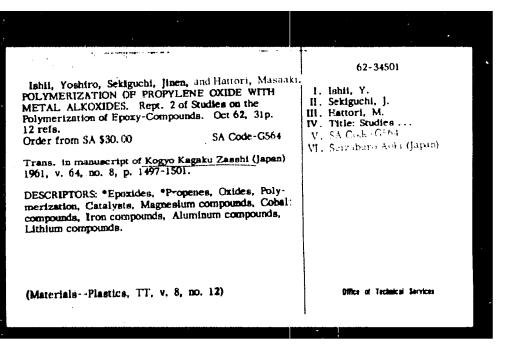




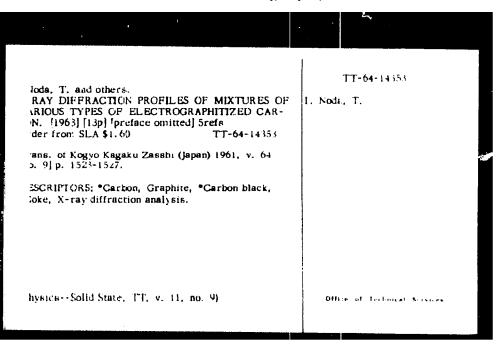
Takimoto, Masayoshi. SEPARATION OF MELAM AND MELEM, AND THEIR SIMPLE DETERMINATION BY THE SPECTROPHOTOMETRIC METHOD. Rept. no. 9 of Studies on Separation [and] Determination methods for Cyanamide Derivatives. [1962] 15p. 11 refs. Order from SLA \$1.60 62-10684 Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. b4, no. 8, p. 1452-1455. DESCRIPTORS: *Cyanamides, *Melamine, *Melem, Separation, *Ion exchange, Spectrographic analysis.	62-10684 1. Title: Melam 1. Takimoto, M. II. Title: Studies
(ChemistryAnalytical, TT, v. 8, no. 11)	Office of Tochnical Services

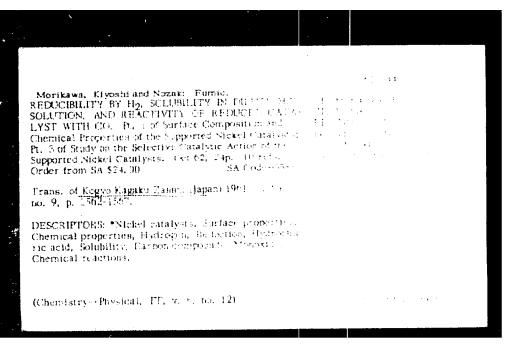


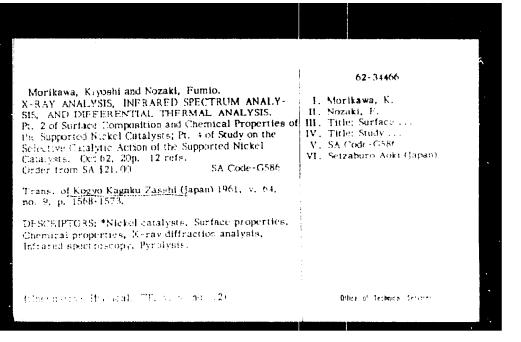
n2-109.59 Ide, Furnio.
THE MOLECULAR WEIGHT OF POLYMETHYU 1. Extrem Graft policieros METH CRYLATE IN CELLULOSE-METHYL To Ide, i To Idea to a METH CRYLLATE GRAFT COPOLYMER, Rept. no. 5 % Studies on Vinyl Polymerization. [1962] Esp. 15 pd s. Cower troop St.A. St. 60. Trons. of Ec.yo Kingakı Mas (i fjarom) 1961, (1994) Ab. 1. gr. 14 oc 1448. DEBMINERY (Marylic resins, Polymers, M. Recurlar weight, *Cellolose, Plastics. Ine calabatiship between the degree of polymerination and of tymerization conditions was investigated with respect to polymethyl methacrylate what had been solated by sulfaric acta-hydrolyang cells lose methyl medhacrylate graft copolymer, which had been obtained by using veric mannon ar sult as (Materials - Planters, TT, v. 8, no. 9) tow (avar)

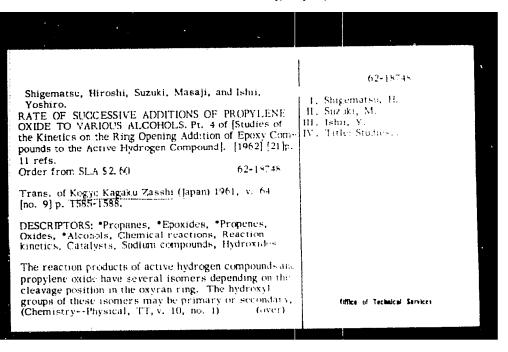


Hashimoto, Hidehisa and Ito, Mikio. A RECORDING MICRO THERMOBALANCE. Rept. 7 of Study on the Thermal Degradation of Solid. Oct 62, 26p. 7 refs. Order from SA \$28.00 SA Code-G572 Trans. in manuscript of Kogyo Kagaku Zasshi (Japan) 1961, v. 64, no. 9, p. 1515-1518. DESCRIPTORS: *Laboratory equipment, *Recording systems, *Torsion halances, Tungsten wire, Pyrolysis, Solids.	
(EngineeringChemical, TT, v. 9, no. 1)	Office of Technical Services









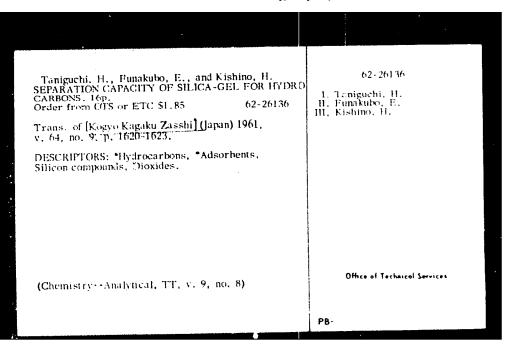
Ohki, Y., Ochiai, M., and Komori, S.

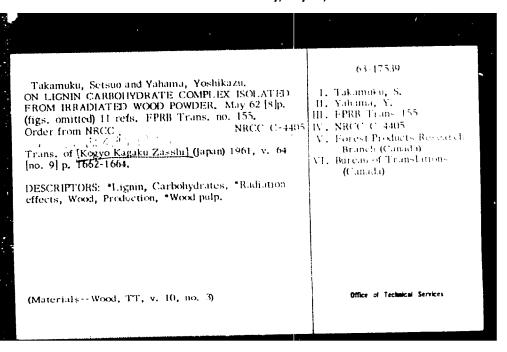
THE REACTIONS OF HIGHER ALIPHATIC
ALCOHOLS WITH ETHYLENE OXIDE USING
TERT.-AMINE CATALYSTS. [1963] 14p 3refs
Order from SLA \$1.60

TT-64-10502

Trans. of Kegyo Kagaku Zasshi (Japan) 1961, v. 64
[no. 9] p. 1588-1592. (Abstract available)

DESCRIPTORS: "Surface-active substances, Synthesis (Chemistry), "Alcohols, "Ethylene oxide, "Catalysts, "Amines, Bases (Chemistry), Reaction kinetics,
It was found that tertiary amines are effective catalysts for the reactions of ethylene oxide with higher fatty alcohols at lower temperatures. The fact that a maximum exists at about 80°C suggests a difference in the catalytic mechanism from the case when KOH is used. Although the more basic amines exhibit greater catalytic effect, the steric effect of the amine structure appears to be a more important consideration. (Author)



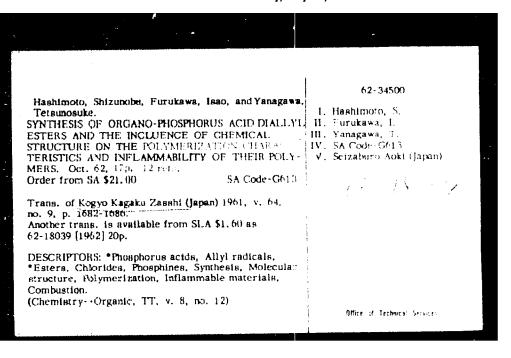


Fukumoto, Osamu.
ON THE IMPURITIES CONTAINED IN E-CAPROLACTAM. Rept. no. 5 of Studies on the Production of E-Caprolactam, Oct 62, 9p. 5 refs.
Order from SA \$18.00 SA Code-G610
Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64, no. 9, p. 1668-1670.

DESCRIPTORS: *Lactams, Production, Impurities, Anilines, Ammonium radicals, Acetates, Nitrobenzenes.

(Chemistry--Organic, TT, v. 8, no. 12)

Office of Tethnical Services



Infrared Spectra of Sulfochlorinated Polypropylene, by T. Chshika.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, No 10, 1961, pp 1855-1859.

ATS-JS-193

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Obshika, Takao.
THE THERMAL DEGRADATION OF POLYPROPYLENIE DERIVATIVES. Repr. 9 of Studies on Polypropylene. Oct 62, 32p. 10 refs.
Order from \$A \$30.00 SA Code-G646

Trans. in manuscript of Kogyo Kagaku Zasahi (japan) 1961, v. 64, no. 10, p. 1859-1864.

DESCRIPTORS: *Propenes, Polymers, Sulfur compounds, Chlorine compounds, Pyrolysis, Infrared spectroscopy, Reaction kinetics, Chemical bonds.

(Chemistry--Physical, TT, v. 8, no. 12)

Studies of the Deposition of Carbon in the Manufacture of Synthetic Gases from Natural Gas X Composition of Gaseous Products and Carbon Deposition on the Partial Oxidation of Methane, by K. Muraosa, 10pp JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, 1901, No 11, pp 1939-1942 SIA TT-64-30140

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Shima, K. and Tsutsumi, S.
PHOTOCHEMICAL REACTION OF METHYL FORMATE IN CYCLOHEXANE. Pt. 3 of Studies of Photochemical Reactions. [1962] 5p.
Order from ATS \$6.50

ATS-85P61j

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 11, p. 1945-1948.

DESCRIPTORS: *Thotochemical reactions, Methyl
radicals, *Formates, *Cyclohexanes.

(Chemistry--Organic, TT, v. 8, no. 7)

Office of Tochalcal Services

Narasaki, Toshio.

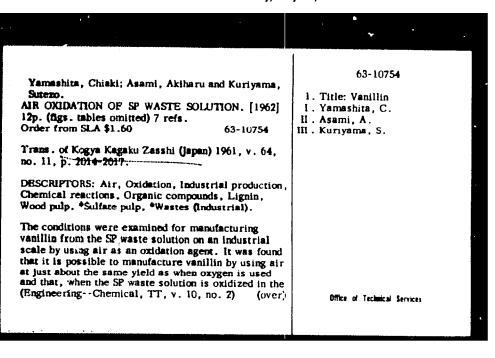
SOME PROPERTIES OF CATIONIC POLY-SOAP
MIXTURES WITH NON-IONIC SURFACTANTS. [1962]

9p.
Order from SLA \$1. 10 63-10315

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64
[no. 11] p. 1955-1957.

DESCRIPTORS: Polymers, "Soaps, Mixtures, Vinyl redicals, Ethyl radicals, "Pyridines, "Bromocarbons, Physical properties, Viscosity, Surface tension, Colloids, Foams, "Surface-active substances, "Ethylenes.

Some properties of cationic poly-soap mixtures (nitrogen atom in poly- \(\triangle \to \vertical \text{introgen atom in poly-} \text{



Studies on Application of Spray Dry Process. Part II. Function of Protective Colloids in Powdered Flavor Manufacturing Process, by T. Saka.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, No 11, 1961, pp 1995-1998.

NTC 69-11294-07A

Sci-Chem July 69

386,989

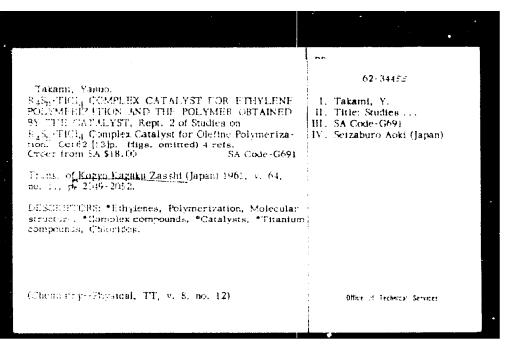
Studies on Application of Spray Dry Process. Part III. Spray-Drying of Peperment Oil-Gum Arabic-Water Emulsion, by T. Saka.

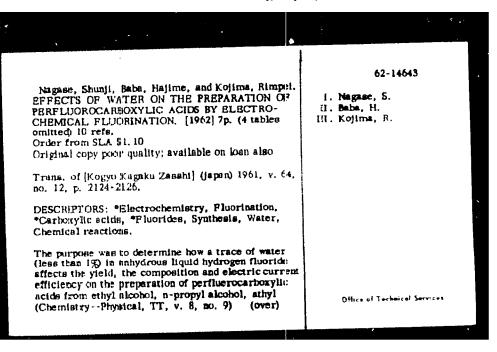
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 64, No 11, 1961, pp 1998-2001.

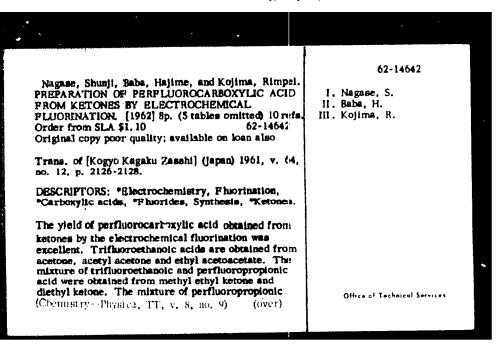
NTC 69-11292-07A

Sci-Chem July 69

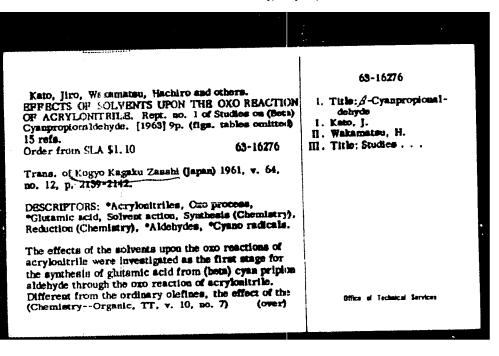
386,988







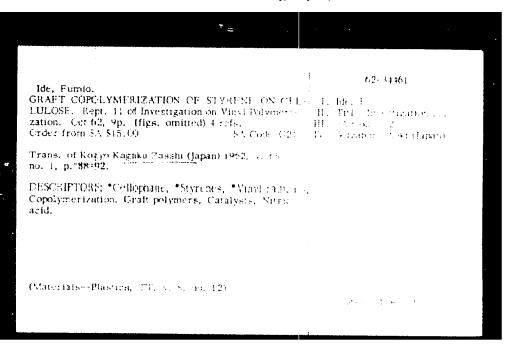
Maruta, Senjiro and Suzuki, Yoshihito. ANALYSIS OF ALIPHATIC ALDEHYDES. Rept. 5 of Studies on Carbonyl Compounds. Oct 62, 15p. 18 re Order from SA 521,00 SA Code-Citans. in manuscript of Kogyo Kagaku Zassbi (Jopan 1961, v. 64, no. 12, p. 2229-231. DESCRIPTORS: *Aliphatic compounds, *Aldehydes, Nitro radicals, Phenols, Hydrazines, Paper chromat raphy, Ultraviolet spectroscopy.	<pre>16. if H. Suzuh:</pre>	
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(Chemistry—Analytical, TT, v E, no. 12)	A A CALLA	

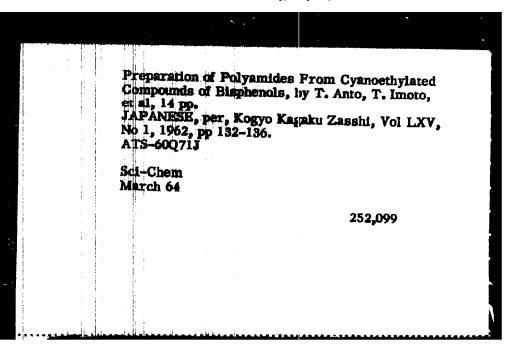


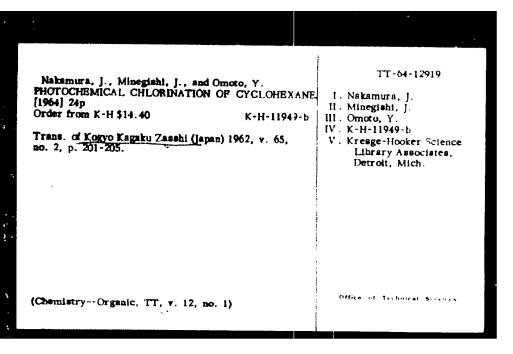
63-16277 Kato, Jiro, Wakamatsu, Hachiro and others.

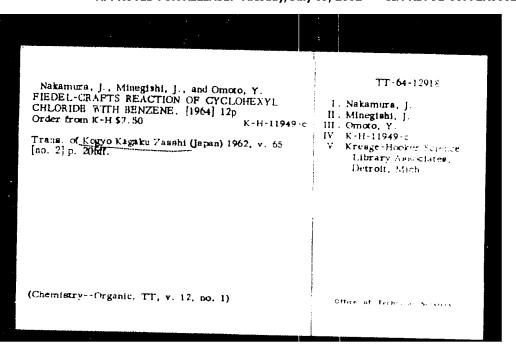
SYNTHESIS OF (BETA) CYANPROPIONAL DEHYDE BY
OXO REACTION. Rept. no. 2 of Studies on (Beta)
Cyanpropionaldehyde [1963] 10p. (figs. tables omitted) 1. Title: A-Cyanprepionaldehyde I. Kato, j. 16 refs. II. Wakamatsu, H. Order from SLA \$1, 10 III . Title: Studies . . . 63-16277 Trans. of <u>koppo Kagaku Zasshi</u> (Japan) 1961, v. 64, no. 12, p. 2142-2145, DESCRIPTORS: *Acrylonitriles, Ono process, *Glutamic acid, Solvent action, Synthesis (Chemistry), Reduction (Chemistry), *Aldehydes, *Cyano radicals. It was found that, in the oxo reaction of acrylonitrile, there is less waste of (beta) cyan propion aldehyde in connection with the decomposition of cobalt carbonyl when such solvents as will carry out homomolecular disproportionation with dicobalt carbonyl like Lewis (Chemistry--Organic, TT, v. 10, no. 7) Office of Technical Services

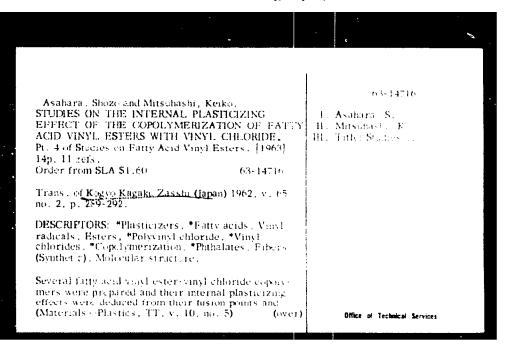
Nagase, S[hunji], Baba, H., and Kojima, R. PREPARATION OF PERFLUDEO CARRONYLE ACIDS BY ELECTROCHEMICAL PLUDGINATION OF UNSATURATE + COMPOUNDS. [1962] Sp. (Statished of this confidence of the c	
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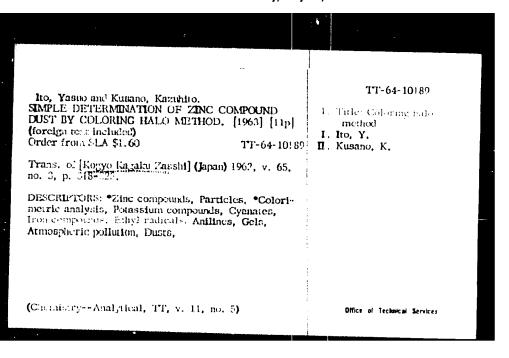


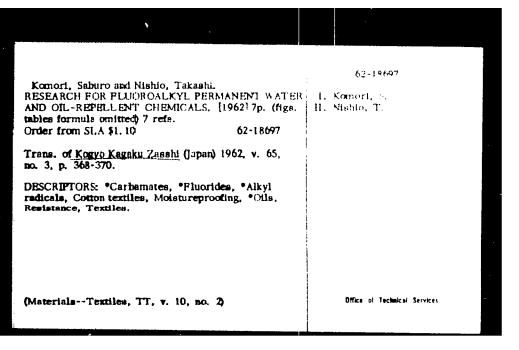


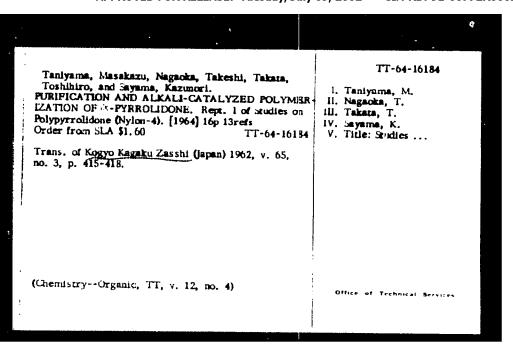


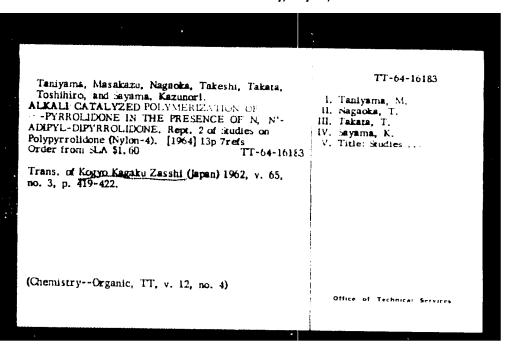




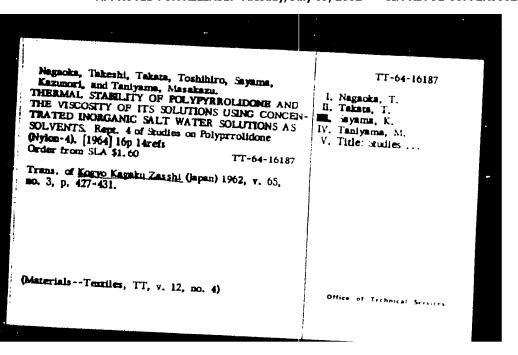








Nagaoka, Takeshi, Takata, Toshihiro, Sayama, Kazunori, and Taniyama, Masakazu. ALKALI-CATALYZED POLYMERIZATION OF -PYRROLIDONE IN ORGANIC SOLVENTS. Ropt. of Studies on Polypyxrolidone (Nylon-4). [1964] 17p 8refs Order from SLA \$1.60 Trans. of Kogyo Kagaku Zasshi (japan) 1962, v. 65, no. 3, p. 422-426.	IV. Tamyama, M. V. Title: studies
(ChemistryOrganic, TT, v. 12, no. 4)	Office of Technical Services

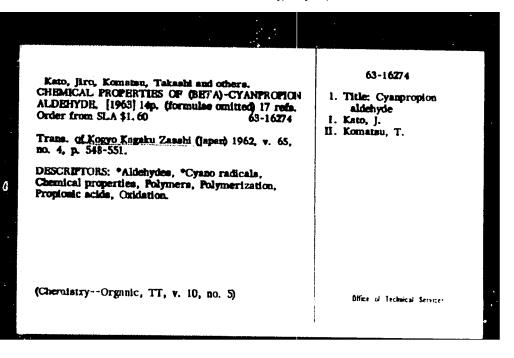


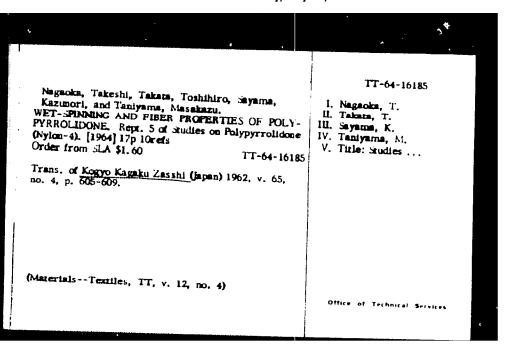
Effect of Boron, Titanium and Lead Ions on the Growth of Synthetic Mica Crystals, by T. Matsushita.

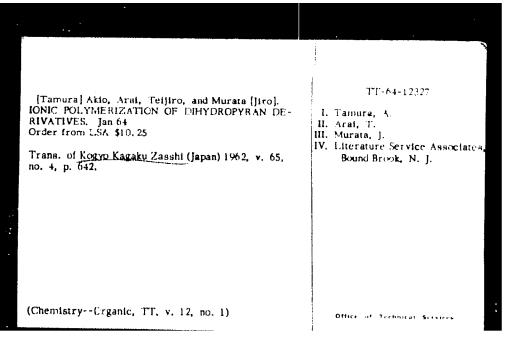
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 65, 1962, pp 501-507.

NTC-71-15068-20B

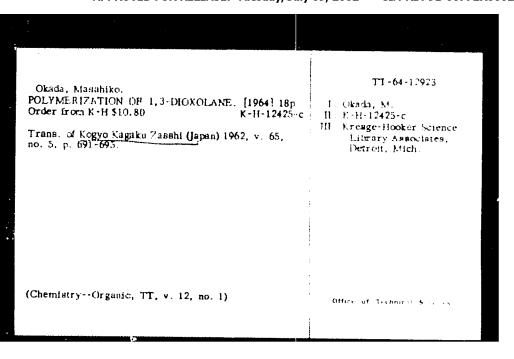
Feb 72

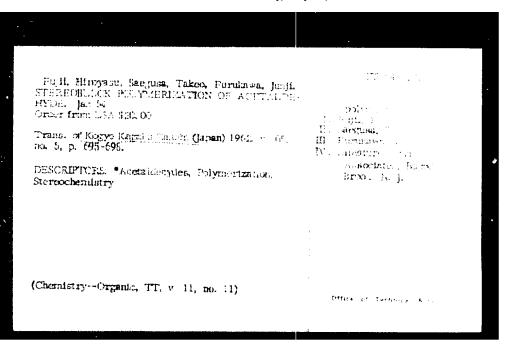






Shunsuke, Murahsahd. NEW SYNTHETIC POLYMERS. [1964] 28p Order from K-H \$16.80 K-H-12425-a Trans. of Kogyo Kaguku Zasahi (Japan) 1962, v. 65, no. 5, p. 643-648.	I. Shunsuke, M. II. K-H-12425-a III. Kresge-Hooker Science Library Associates, Detroit, Mich
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Saegusa, Takeo, Imai, K., Hirai, Setusuo, and TT-64-12927 FUTURAWA, J.
COPOLYMERIZATION OF TETRAHYDROFURAN AND I. Saegusa, T. 3,3-BIS(CHLCROMETHYL) OXACYCLOBUTANE. [1961] II. Imai, K. 16p Order from K-H \$9.60 III. Hirai, S. IV. Furukawa, J. К-Н-12425-е V . K-H-12425-e Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65, no. 5, p. 699-702. VI. Kresge-Hooker Science Library Associates, Detroit, Mich. (Chemistry--Organic, TT, v. 12, no. 1) Office of Technical Services

Okamura, Seizo, Higashimura, Toshinobu, and
Tomikawa, Masaya.

POLYMERIZATION OF TRIOXANE CATALYZED BY
CATIONIC CATALYST. [1964] 20p
Order from K-H \$12.00 K-H-12425-f

Trans. of Kogyo Kagiiku Zasshi (Japan) 1962, v. 65,
no. 5, p. 712-716.

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no. 5, p. 712-716.

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R-4197-D

Radiation-Induced Polymerization of Crystalline Copolymers, by Yomeho Tabata, et al.

JAPANESE, per, Kogyo Kagaku Zasehi. Vol LKV, 1902, pp 737-740.

*JPRS/Diamond Labs

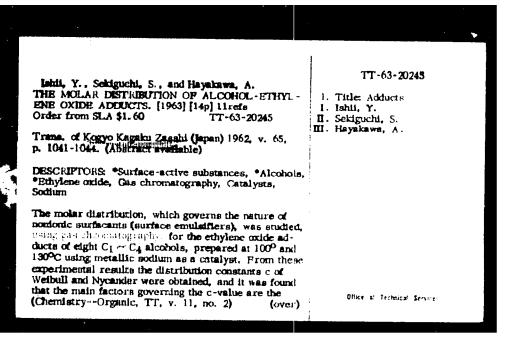
June 64

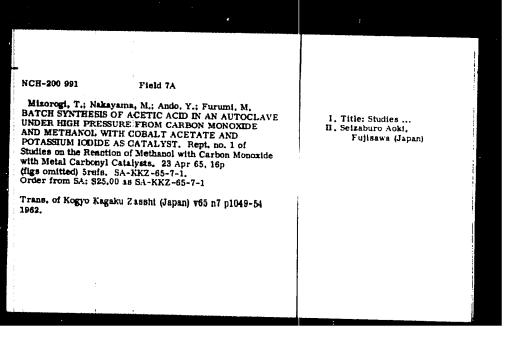
Takahashi, Tōru.
CALCULATION OF THE VAPOR-LIQUID EQUILIB-RIUM FOR THE AMMONIA-CARBON DIOXIDE GASWATER SYSTEM BY VAN LAAR'S EQUATION, Rept. of Phase Equilibrium Studies on the Ammonia-Carbon Dioxide Gass-Water System. [1962] 22p. 27 refs.
Order from SLA \$2.60 63-10083

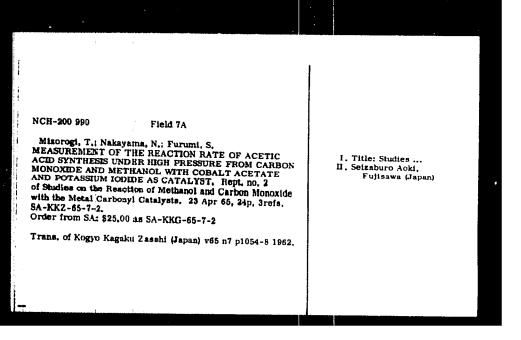
Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65, no. 6, p. 837-849.

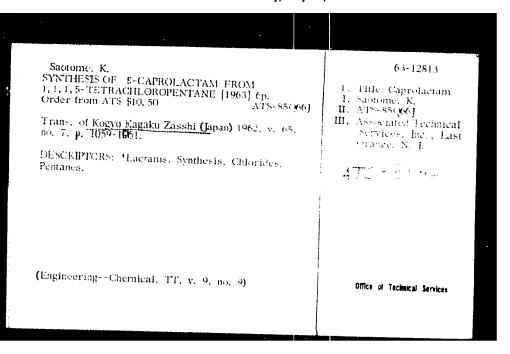
DESCRIPTORS: "Phase studies, "Chemical equilibrium Ammonia, Carbon cloxide, Water, Carbamates, Vapors, Liquids, Determination, Activity coefficient.

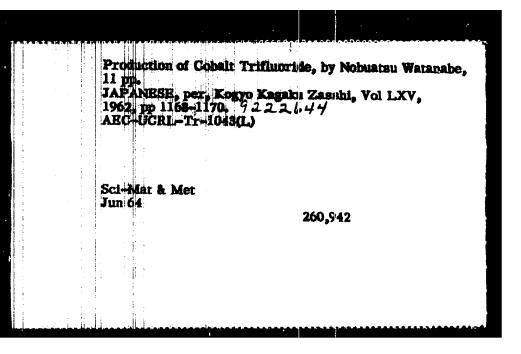
Office of Technical Services

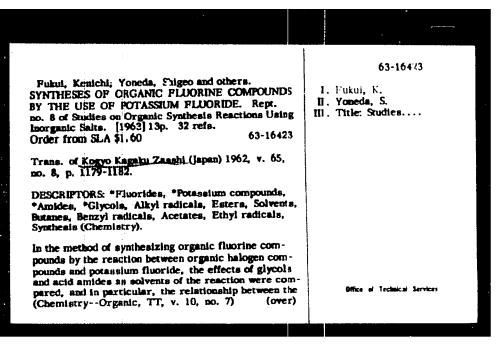










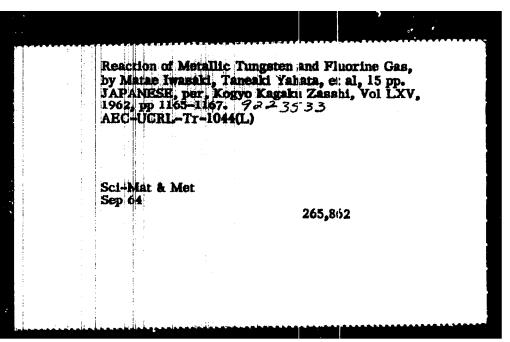


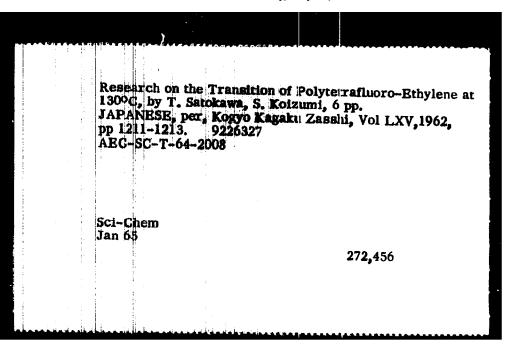
Kageyama, Ikuzo, Katsushima, Atsuo and others. RESHARCH FOR OIL AND WATER REPELLENTS. [1962] 13p. (figs. tahles refs. omitted) 1 ref. Order from SLA \$1.60 62-20485

Trans. of [Kagyo Kagnku Zasshi] (Japan) 1962, v. 65, no. 8 [p. 1207-1210].

DESCRIPTORS: Scientific research, Oils, Water, Textiles, *Protective treatments, *Moisture proofing, Fluorides, Polymers, Chlorides, Coatings, Alkyl radicals, Molecular structure

A series of compounds were synthesized employing F(CF2), *HCF2), and CMCF2CFCM), CF2 as polyfluoroalkyl radicals (hereinafter will be called Rf) and by combining them with various polar groups. Oil and water repellence of cotton gauze which was coated by proper means with these compounds were measured. The repellency of these compounds were measured re-(Materials-Textiles, TT, v. 10, no. 2) (over)





Tagawa, K., Ilmo, S., and Ohta, H.
THE PRACTIONATION OF NONIONIC SURFACTANTS
BY MOLECULAR DISTILLATION, Pt 1 of Molecular
Distillation and Properties of Nonionic Surfactants.
[1963] 20p 7refs
Order from SLA \$1.60
63-20244

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65,
p. 1260-1255.

DESCRIPTORS: "Distillation, "Surface-active substances, Ethylene oxide, Molecules, Distilling plants, Statistical distributions, Stearic acids, Centrifuges.

The ethylene oxide adducts of four different compounds, i.e. the adduct of nonyl-phenol containing an average of 7.5 moles ethylene oxide, the adduct of octylphenyl, with an average of 10 moles, the adduct of octylphenyl, with an average of 7 moles and the stearic acid adduct (Engineering--Chemical, TT, v. 10, no. 12) (over)

Preparations and Electrical Conductavities of Polyvinylanthracene and of its Molecular Complexes, by H. Inoue.

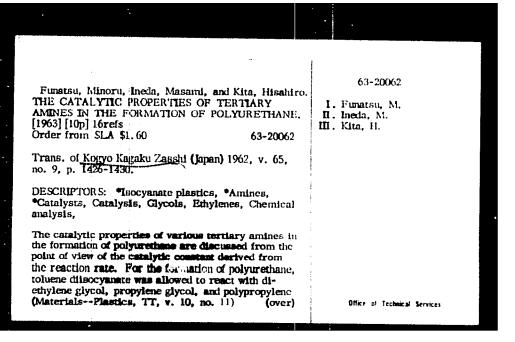
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 65, No 8, 1962, pp 1286-1290.

NTC-71-15513-07D

10-11-10110-010 FARE 2011

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Koyanagi, S. TELOMERIZATION OF VINYL CHLORIDE IN CARBON TETRACHLORIDE. [1964] 10p Order from K-H \$6.00 K-H-12641 Trans. of Korro Kagaku Zasshi (Jajan) 1962, v. 65, p. 1388-1390.	TT-64-12916 I. Koyanagi, S II. K-H-12641 III. Kreage-Hooker Reience Library Associates, Detroit, Mich
(ChemistryOrganic, TT. v. 12, no. 1)	Office of Technical Services



Usami [Shoji] and Taketomi, Noboru.
COMPARISON OF MOLASSES AND GLUCOSE MEDIA
FOR CITRIC ACID FERMENTATION. [1963] [10p]
forefs
Order from SLA \$1.10
63-18870

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65,
no. 10, p. 1613-[1605].

DESCRIPTORS: *Glucose, *Citric acids, Molds, *Fermentation, Ash, *Culture media, Potassium, Iron

A study was made of acid formation in citric acid fermentation using Asp. niger. in molasses (Taiwan molasses) and glucose media. In molasses medium, the consumption of oxygen in the early stage of the cultivation is fairly bigger and the starting time of acid formation is earlier than those in glucose medium due to the abundant nourishment in the medium. But the amount of citric acid formed is very low and oxalic (Biological Sciences*-Biochemistry, TT, v. 10, no. 11)

(Over)

Fuel Cells Using Organic Redox Compounds, by Jun Mizuguchi, Shuichi Suzuki. JAPANESE, per, Kogyo Kagaku Zasshi, Vol 65, No 10, 1962, pp 1606-1608. Tr No 56, Oct 1969 AIR/AFCRL/69-0425

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The Correlation Between the Molecular Structure of Palyvinyl Chloride and Its Combustion Products, by Sugio Otani. JAPANESE, per, Kogyo Kagaku Zasshi, Vol 65, No 10, pp 1617-1622. NASA TT F-12,029

Sci-Chem Mar 69

377,553

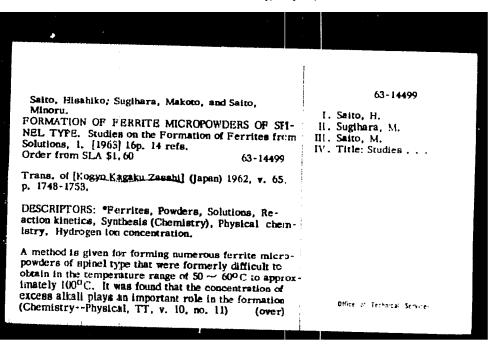
Inoue, H., Hayashi, S. and others. SYNTHESIS OF ELECTRICALLY CONDUCTIVE CHELATE FOLYMERS. [1963] 9p. Order from ATS \$13.25 ATS-02067] AGC-5c L-T-50 3 Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65, no. 10, p. 1622-1626.	1	63-12829 1. Inouc, H. II. Hayashi, S. II. ATS-02:067] V. Associated Technical Services, Inc., 5 (4) Orang, N. J.
DESCRIPTORS: *Polymers, *Chelate compounds, Syn. esis, Electrical conductance.		A72 JJ-1022
(Chemistry: Organic, TT, v. 9, no. 9)		Office of Technical Services

Radiation-Induced Copolymerization of Tetrafluoroethylene and Propylene at Lou Temperature, by Yomeho Tabata, et al.

JAPANESE, per, Kogyo Kagahu Zasshi, Vol LKV, 1902, pp m1526-1529.

*JPRS/Diamondm Laus

June 64



APPROVED FOR RELEASE: Tuesday, July 09, 2002

Synthesis of Sedius and Petersius Titurates of Fibrous Form by Sydrothermal Reaction, by Fundo METO, Minora KHEEFORI, 19 pp. JAPANER, per, Engro Manufer Zeenhi, Vol 65, 1962, pp 1775-1779. F911279867 AEC 80-2-67-0933

336,986

Sci - Meterials Sep 67

Properties of Sodium Aluminate Solutions, by J. Shimisato, JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXV, No 11, 1962, pp 1779-1782.
ATS 54R79J

Sept 66

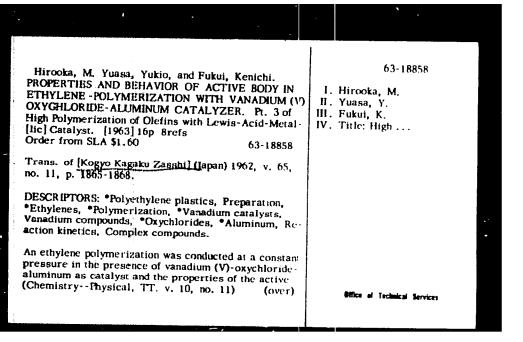
309,075

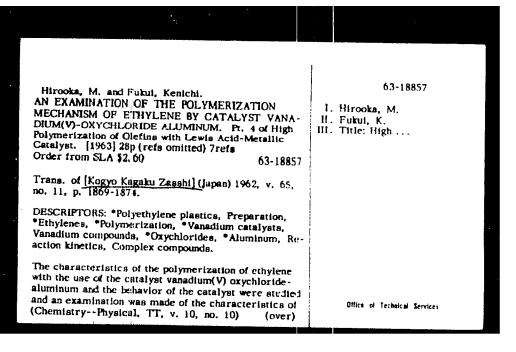
Yamaki, Kiyoshi.
INTERACTION BETWEEN IONIC DYESTUFFS OF OPPOSITE ELECTRIC CHARGES. [1963] 10p (figs. tables omitted) 6refs
Order from SLA \$1.10 63-18514

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1962,
v. 65 [no. 11] p. 1861-1865.

DESCRIPTORS: *Dyes, *Chemical reactions, Ions, *Methylene blue, Methanes, Complex compounds, Vinyl chlorides, Surface-active substances, Surface tension, Absorption spectrum, Chemical bonds, Fibers (Synthetic).

The aqueous soletions of ionic dyestuffs of opposite electric charges, orange II (anion and methylene blue (cation), were mixed. To examine the interaction which then takes place between these dyestuffs, the (Chemistry--Organic, TT, v. 10, no. 11) (over)





Bansho, Yoshie; Sazuki, Shigeru and others.
RELATIONSHIP OF STRUCTURE TO CRYSTALLINE
TRANSFORMATION GROWTH IN MIXED PHTHALOCYANINE PIGMENTS, PT. 3 of Phthalocyanine Organic
Pigment Study. [1963] 10p. 2 refs.
Order from SLA \$1.10 63-16644

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65,
no. 12, p. 2005-2009.

DESCRIPTORS: *Phthalocyanines, *Pigments, *Copper compounds, *Crystallization, *Transformations,
Crystal structure, Colvil compounds, Iron compounds,
Titanium compounds, Chlorides.

Crystals of metastable copper phthalocyanine undergo
crystalline transformation in an aromatic solvent and
grow into stable clospated needle crystals. In order to
improve this property, mixed pigments were prepared
(Physics—Solid State, TT, v. 10, no. 7) (over)

Office of Technical Service

Banaho, Yoshie, Sekiguchi, Tatsuo, and Suzuki, Shigaru.

SYNTHESES OF COFFER PHTHALOCYANINE SUL.FATE AND ITS PROFERTIES. Rept. 5 of Sudies of Phthalocyanine Cognite Pigments. [1963] [17p] 8 reds Order from SLA \$1.60 (3-1874)

Trans. of Kogyo Kagaku Zasshi (Japan) [1962] v. 65, no. 12, p. 2013-2017.

DESCRIPTORS: "Dyes, "Organic pigments, "Phthalocyanics, Copper compounds, Suffaces, Metalorganic compounds, Synthesis (Chemistry), Chemical properties, Physical properties, Molecular structure, X-ray diffraction analysis, infrared spectroscopy

When copper phthalocyanine reacts with undiluted sulfuric acid in authable organic solvents the sulfate is separated. The sulfate was separated in pure form by removing the sulfatic acid stracked to its crystals. In (Chemistry--Organic, TT, v. 10, no. 11) (over)